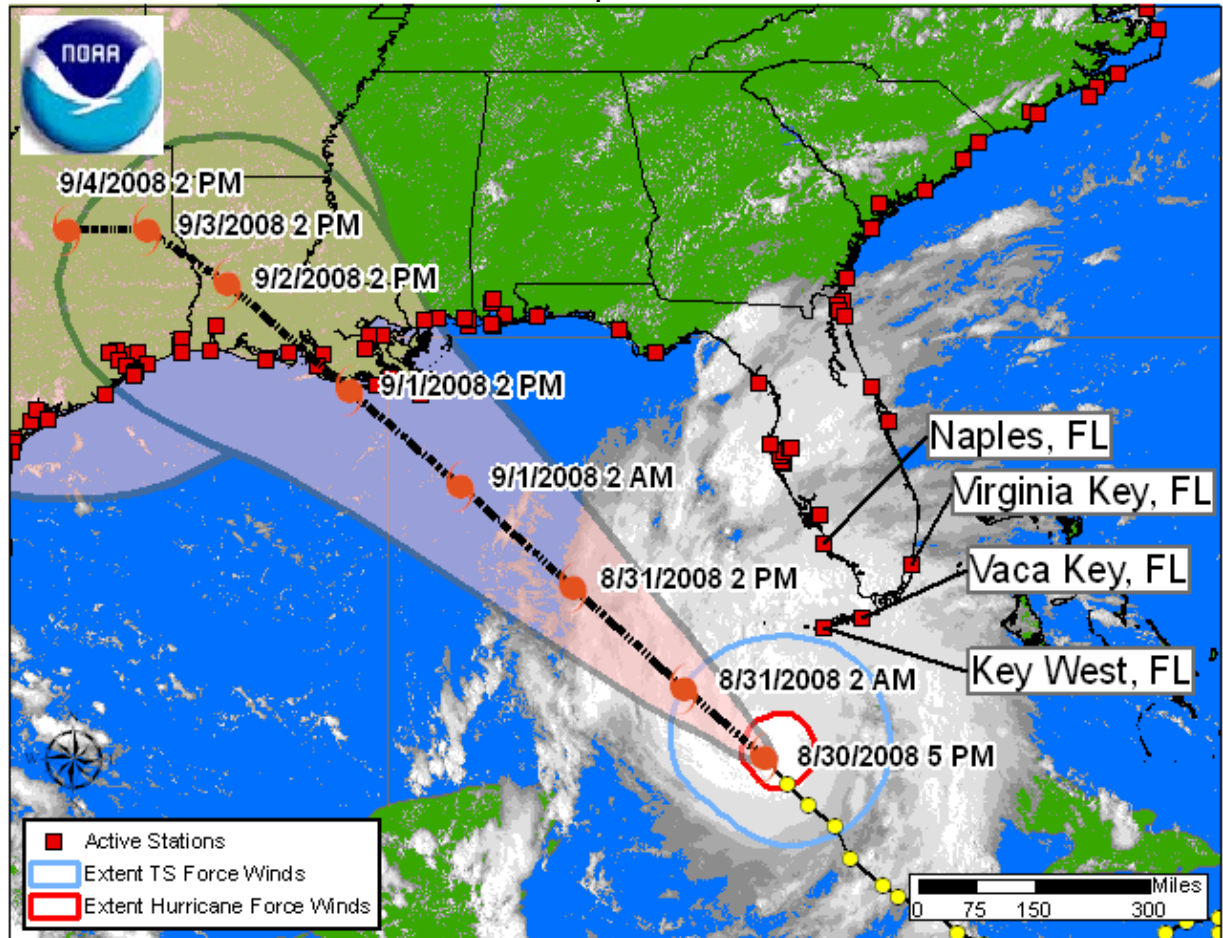




Hurricane GUSTAV QuickLook
Posted: 18:00 EDT 08/30/2008

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/30/2008 18:00 EDT, water levels along the Florida Keys and southern Florida are rising and are approximately 0.6 feet above predicted. Winds are increasing with gusts above 25 knots being measured. Barometric pressure is falling.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Key West, FL: Next predicted high tide is 1.71 ft (0.52 m) at 08/30/2008 22:51 EDT.

Vaca Key, FL: Next predicted high tide is 0.94 ft (0.29 m) at 08/31/2008 03:54 EDT.

Virginia Key, FL: Next predicted high tide is 2.60 ft (0.79 m) at 08/30/2008 21:36 EDT.

Naples, FL: Next predicted high tide is 2.79 ft (0.85 m) at 08/31/2008 01:09 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services website](#). For more information or archived products and reports, please see the [Storm QuickLook Homepage](#).

Analyst: CM

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE GUSTAV ADVISORY NUMBER 25

500 PM EDT SAT AUG 30 2008

...GUSTAV STILL STRENGTHENING AS IT IMPACTS WESTERN CUBA...

AT 500 PM EDT A HURRICANE WATCH IS ISSUED FOR THE NORTHERN GULF COAST FROM EAST OF HIGH ISLAND TEXAS EASTWARD TO THE ALABAMA-FLORIDA BORDER INCLUDING THE CITY OF NEW ORLEANS AND LAKE PONTCHARTRAIN. A HURRICANE WATCH MEANS THAT HURRICANE CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA GENERALLY WITHIN 36 HOURS.

AT 500 PM EDT A TROPICAL STORM WATCH IS ISSUED ALONG THE PANHANDLE COAST OF FLORIDA FROM EAST OF THE ALABAMA-FLORIDA BORDER EASTWARD TO THE OCHLOCKONEE RIVER. A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA GENERALLY WITHIN 36 HOURS.

A TROPICAL STORM WARNING REMAINS IN EFFECT FOR THE LOWER FLORIDA KEYS WEST OF THE SEVEN MILE BRIDGE TO DRY TORTUGAS.

AT 500 PM EDT THE EYE OF HURRICANE GUSTAV WAS LOCATED NEAR LATITUDE 22.1 NORTH, LONGITUDE 82.9 WEST OR ABOUT 130 MILES EAST-NORTHEAST OF THE WESTERN TIP OF CUBA AND ABOUT 80 MILES SOUTH-SOUTHWEST OF HAVANA CUBA. DO NOT VENTURE OUTSIDE DURING THE PASSAGE OF THE EYE SINCE WINDS WILL SOON RAPIDLY INCREASE AS EYEWALL AGAIN PASSES. THE EYE IS ALSO CURRENTLY CENTERED ABOUT 620 MILES SOUTHEAST OF THE NORTH-CENTRAL GULF OF MEXICO COAST.

GUSTAV IS MOVING TOWARD THE NORTHWEST NEAR 15 MPH AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE DURING THE NEXT COUPLE OF DAYS. ON THIS TRACK THE CENTER OF GUSTAV WILL CROSS WESTERN CUBA TONIGHT THEN EMERGE OVER THE SOUTHERN GULF OF MEXICO EARLY ON SUNDAY AND REACH THE NORTHERN GULF ON MONDAY.

DATA FROM AN AIR FORCE RECONNAISSANCE AIRCRAFT INDICATE THAT MAXIMUM SUSTAINED WINDS HAVE INCREASED TO NEAR 150 MPH WITH HIGHER GUSTS. GUSTAV IS AN EXTREMELY DANGEROUS CATEGORY FOUR HURRICANE ON THE SAFFIR-SIMPSON HURRICANE SCALE. SOME FLUCTUATIONS WITH AN OVERALL SLIGHT STRENGTHENING IS FORECAST DURING THE NEXT 24 HOURS AND GUSTAV COULD REACH CATEGORY FIVE INTENSITY DURING THIS PERIOD. GUSTAV IS FORECAST TO REMAIN A MAJOR

HURRICANE THROUGH LANDFALL ALONG THE NORTHERN GULF COAST.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 70 MILES FROM THE CENTER AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 175 MILES.

THE MINIMUM CENTRAL PRESSURE RECENTLY REPORTED BY THE RECONNAISSANCE AIRCRAFT WAS 942 MB.

STORM SURGE OF 1 TO 3 FEET ABOVE NORMAL TIDE LEVELS IS POSSIBLE IN THE DRY TORTUGAS AS GUSTAV PASSES TO ITS WEST.

RAINFALL AMOUNTS OF 2 TO 4 INCHES ARE POSSIBLE OVER FLORIDA KEYS AND EXTREME SOUTHERN FLORIDA.

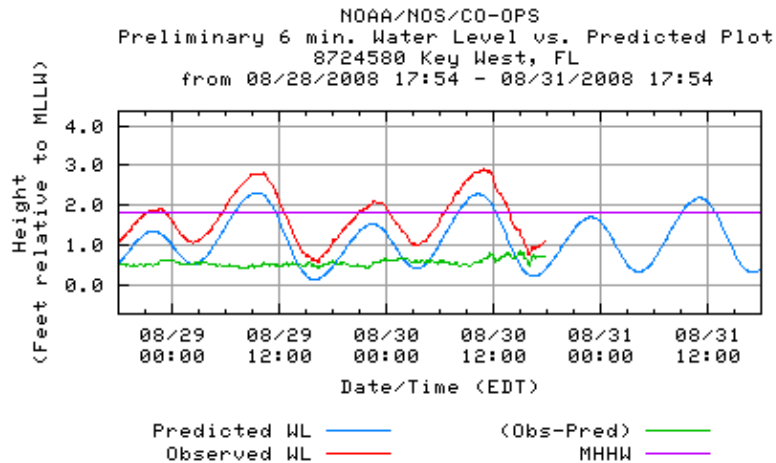
ISOLATED TORNADOES ARE POSSIBLE TONIGHT OVER THE FLORIDA KEYS AND THE SOUTHERN FLORIDA PENINSULA.

FORECASTER KNABB

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Winds](#), [Key West - Air/Water Temp](#), [Key West - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Naples - Water Level](#), [Naples - Winds](#), [Naples - Air/Water Temp](#), [Naples - Barometric](#),

Key West, FL - Station Map [Return to List](#)

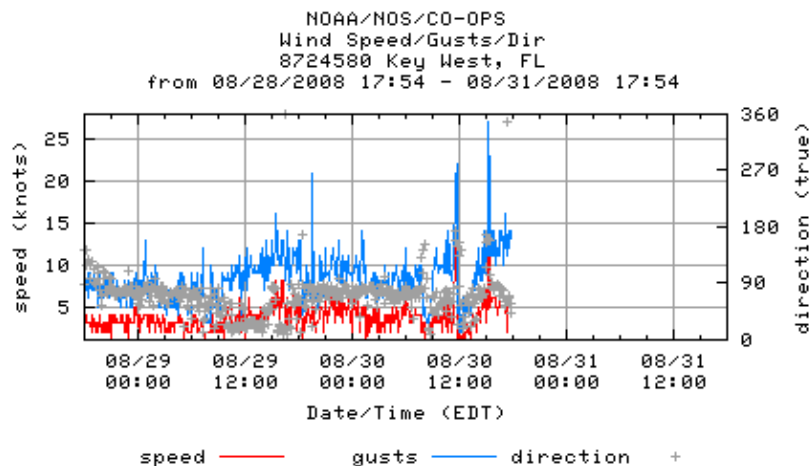


Last Observed Sample: 08/30/2008 17:42 (EDT)

Relative to **MLLW**: **Observed: 1.09 ft. Predicted: 0.39 ft. Residual: 0.70 ft.**

Historical Maximum Water Level: 09/08/1965, 1.93 ft. above **MHHW**

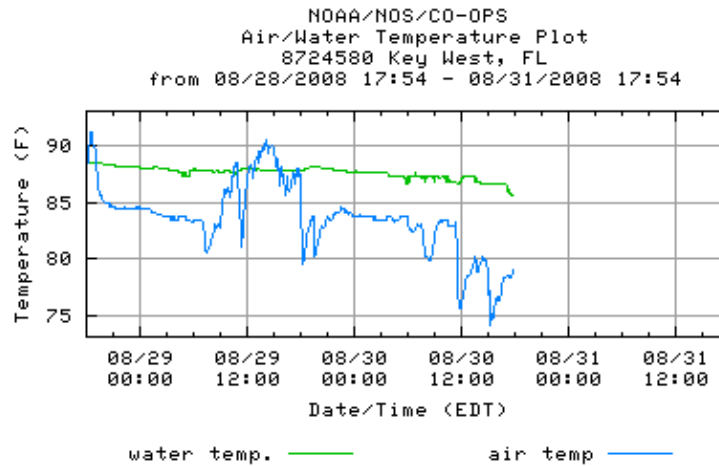
Key West, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 17:42 (EDT)

Wind Speed: 5 knots Gusts: 14 knots Direction: 042° T

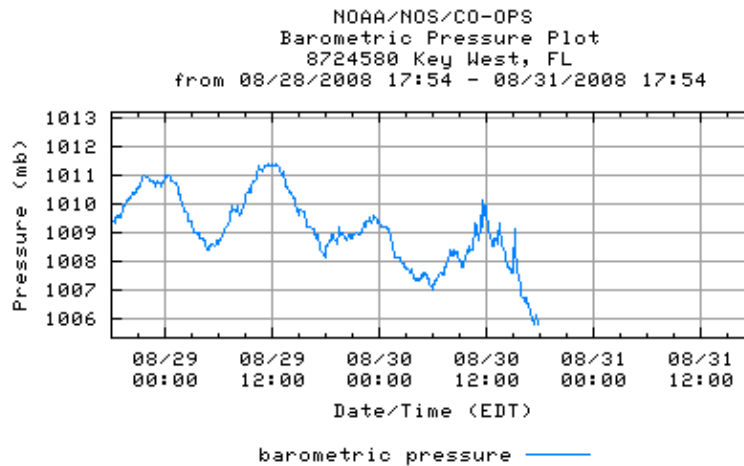
Key West, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 17:42 (EDT)

Water Temperature: 85.6° F Air Temperature: 79.0° F

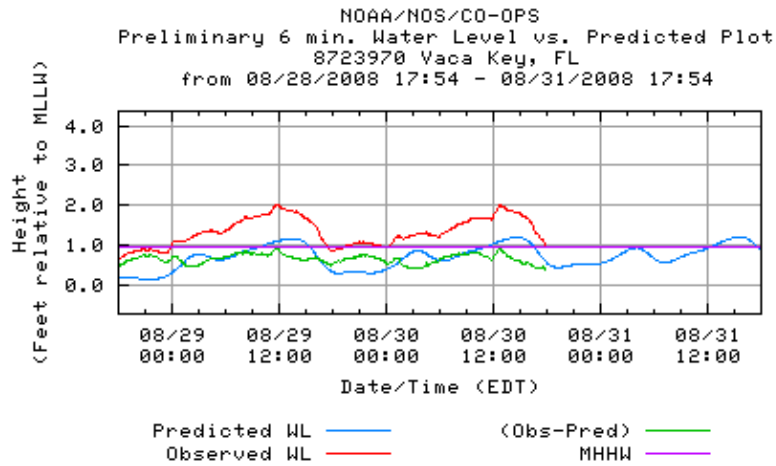
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Last Observed Sample: 08/30/2008 17:42 (EDT)

Barometric Pressure: 1005.8 mb

Vaca Key, FL - Station Map [Return to List](#)

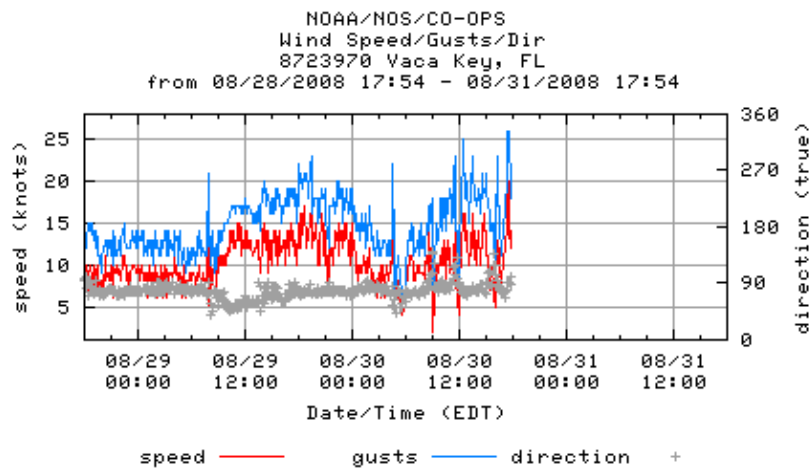


Last Observed Sample: 08/30/2008 17:42 (EDT)

Relative to **MLLW**: **Observed: 0.97 ft.** **Predicted: 0.61 ft.** **Residual: 0.36 ft.**

Historical Maximum Water Level: 10/07/1974, 1.42 ft. above **MHHW**

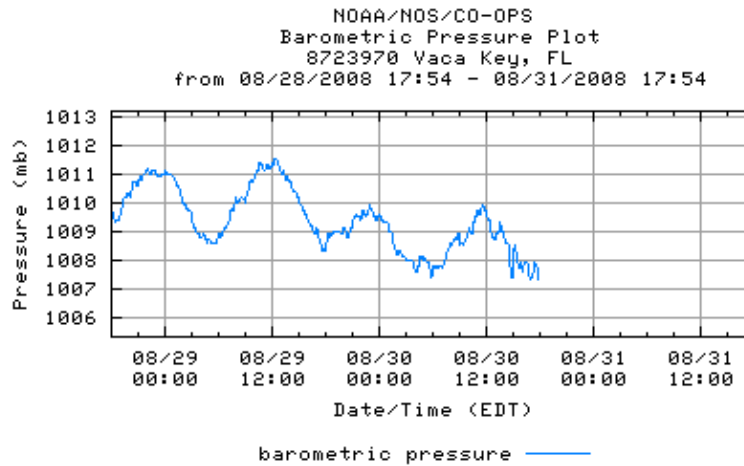
Vaca Key, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 17:42 (EDT)

Wind Speed: 14 knots **Gusts: 18 knots** **Direction: 088° T**

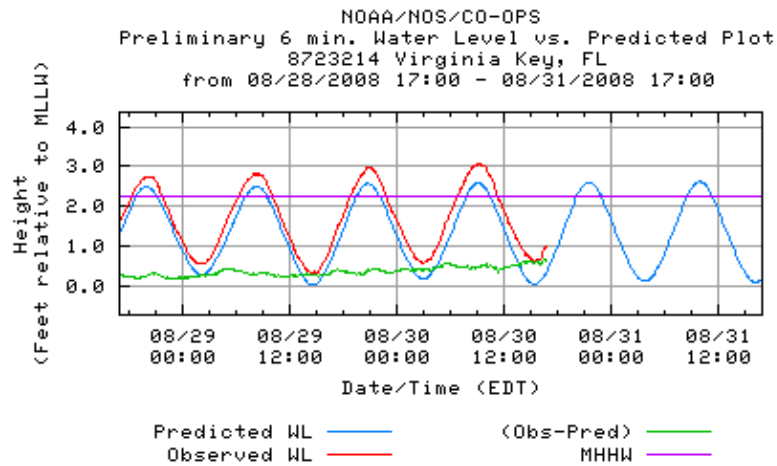
Vaca Key, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 17:42 (EDT)

Barometric Pressure: 1007.3 mb

Virginia Key, FL - Station Map [Return to List](#)

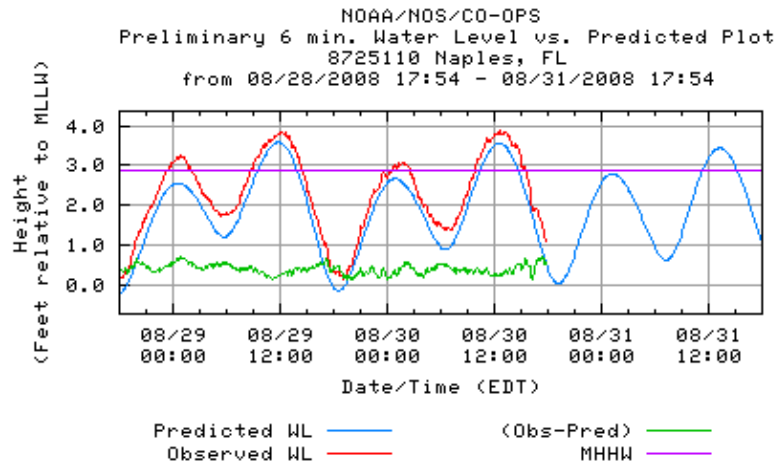


Last Observed Sample: 08/30/2008 16:48 (EDT)

Relative to **MLLW**: **Observed: 0.99 ft.** **Predicted: 0.35 ft.** **Residual: 0.64 ft.**

Historical Maximum Water Level: 11/15/1994, 1.9 ft. above **MHHW**

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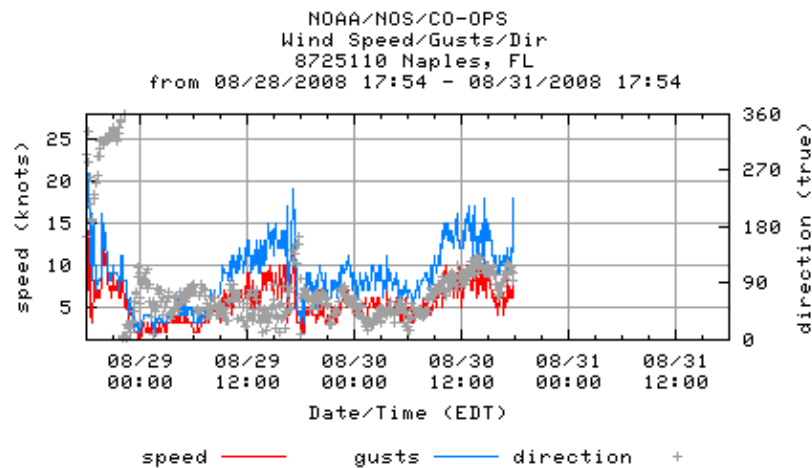


Last Observed Sample: 08/30/2008 17:42 (EDT)

Relative to **MLLW**: **Observed: 1.08 ft. Predicted: 0.52 ft. Residual: 0.56 ft.**

Historical Maximum Water Level: 12/21/1972, 3.11 ft. above **MHHW**

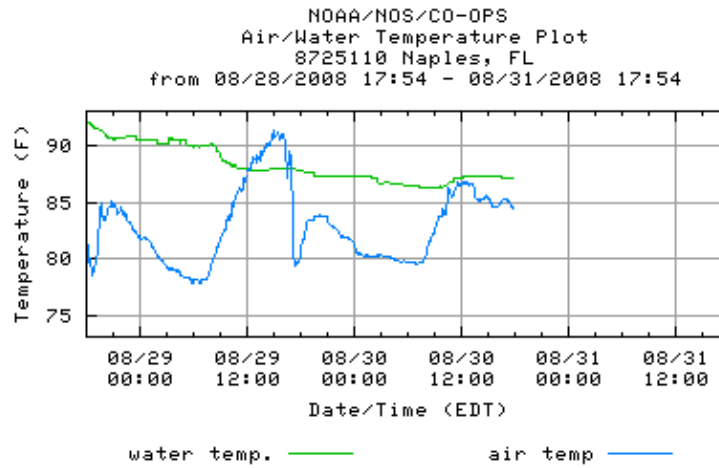
Naples, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 17:42 (EDT)

Wind Speed: 9 knots Gusts: 18 knots Direction: 108° T

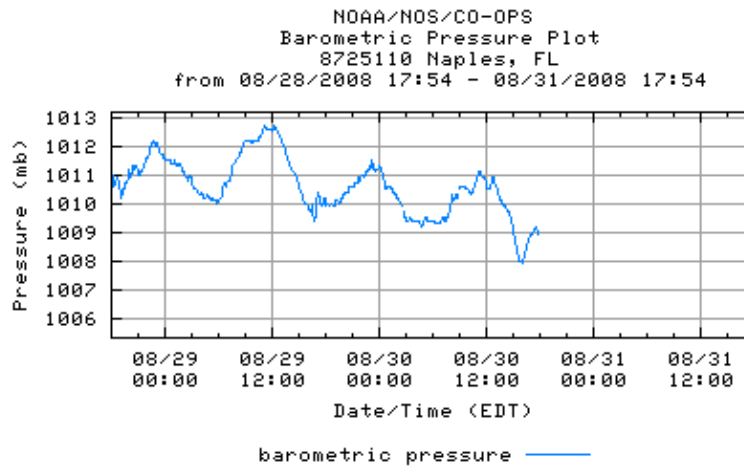
Naples, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 17:42 (EDT)

Water Temperature: 87.1° F Air Temperature: 84.4° F

Naples, FL - Station Map [Return to List](#)



Last Observed Sample: 08/30/2008 17:42 (EDT)

Barometric Pressure: 1008.9 mb

Hurricane GUSTAV QuickLook, POSTED 18:00 EDT 08/30/2008

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National Oceanic and Atmospheric Administration | U.S. Department of Commerce